



Jewelry Tag XCTF-8108-C02

Ultra High Frequency 860-960MHz
Increased Security & Reliable Performance

Overview

The Invengo Jewelry Tag XCTF-8108-C02, which consists of Ultra high frequency (860-960MHz) transponders that are compliant with EPCglobal Class 1 Gen 2 standard, is a tamper-evident RFID tag designed specifically for jewelry. Each tag has a unique ID which can not be altered.

These products provide a unique custom command set, such as Electronic Article Surveillance (EAS) for increased theft protection, and Read Protect which prevents unauthorized chip memory access. All custom commands are 32-bit access password protected.

No battery is required for the XCTF-8108-C02. When they are placed in the field of a reader antenna, the high speed RF communication interface allows transmitting data with up to 640Kbit / s (return link) and 160Kbit / s (forward link).

Applications

Valued Asset Tracking

Features

- EPCglobal C1 Gen2 ; ISO 18000-6C Compliant
- Operating frequency 860-960MHz (ISM)
- Theft protection through EAS feature
- Read protection
- Passive operation (no battery required)
- 240-bit EPC number
- 64-bit TID
- Kill command set
- Flexible attachment to tagged items

Specifications

Jewelry Tag XCTF-8108-C02

Physical Characteristics

Dimensions

45.1×12.5mm
(1.8×0.5in)

Base material

PET; aluminum

User Environment

Operating temperature

-20°C to +75°C
(-4°F to +167°F)

Storage temperature

-20°C to +80°C
(-4°F to +176°F)

Performance Specifications

Operating frequency

860-960MHz

Supported standard

EPCglobal Class 1 Gen 2;
ISO 18000-6C

Read distance

Up to 1.5m / 5ft
(reader dependent)

Chip type

UCODE G2XL

Memory

240-bit EPC code;
64-bit TID

Functionality

Read / Write

Data retention

> 10 years

About Invengo

Incorporated in 1999, Invengo Information Technology Co., Ltd. is a leading vendor of RFID technology and products in China. Invengo (stock symbol: 002161) is a public company listed in SZ Stock Exchange, China.

Invengo lineup consists of 6 series and more than 60 models of RFID products: fixed and handheld reader, reader module, antenna and inlay/label/tag. Invengo has been successfully providing RFID solutions and service to various sectors: railway/transportation, warehouse management, intelligent traffic/ETC, logistics and supply chain, library, assets tracking and management, etc. Invengo Performance Test Center is one of the eleven EPCglobal Accredited Test Centers around the world to perform tagged unit performance testing in a variety of real-world environments common with the supply chain.

Invengo's up-to-date production facility provides quality and economical RFID transponders in the forms of inlay, label, ticket and card, with a capacity of 150 million pieces annually.

Invengo is an ISO 9001: 2000, ISO14001 certified company and member of EPCglobal(China) and AIM(China).

Contact us

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